

Abstract

The invention relates to a water-insoluble silicate glass powder, wherein the silicate glass powder exhibits glass particles with the following composition in percentage by weight on an oxide basis:

SiO_2	20 - 80
Na_2O	5 - 30
K_2O	0 - 5
P_2O_5	0 - 15
B_2O_3	0 - 10
CaO	4 - 30
MgO	0 - 8
Al_2O_3	0 - 7
Fe_2O_3	0 - 2

as well as conventional fining agents in conventional quantities.

The invention is characterized in that the glass particles contain at least one of the following components

ZnO
 AgO
 CuO
 CeO_2
 GeO_2
 TeO_2

wherein these components are concentrated in the regions of the glass particles that are near the surface.